

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
20 October 2005 (20.10.2005)

PCT

(10) International Publication Number  
**WO 2005/098967 A1**

(51) International Patent Classification<sup>7</sup>: **H01L 31/0256**,  
51/00

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(21) International Application Number:  
PCT/US2005/010214

(22) International Filing Date: 25 March 2005 (25.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/556,435 26 March 2004 (26.03.2004) US

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(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,  
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: PHOTOVOLTAIC DEVICE WITH TRIMETASPHERES

(57) Abstract: An exemplary photovoltaic device for conversion of an incident wavelength of electromagnetic radiation to elec-  
tricity has an absorber of incident wavelength of electromagnetic radiation, a trimetaspere in electron transferring contact with the  
absorber, an anode in electrical contact with the trimetaspere, and a cathode in electrical contact with the absorber. The absorber  
and trimetaspere can be arranged as a heterojunction or a blended junction. An exemplary electrical circuit has an absorber of  
incident electromagnetic radiation, a trimetaspere-containing material in electron transferring contact with the absorber, an anode,  
a cathode and a current path from the anode to the cathode. An exemplary method of converting incident electromagnetic radiation  
to an electrical signal using a trimetaspere-containing material is also disclosed.



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